GE
Lighting Solutions

GEH-5787B

INSTRUCTIONS

Jr. Versabeam™ Luminaire

READ THOROUGHLY BEFORE INSTALLING

WARNING

Risk of electric shock
- Turn power off before servicing – see instructions

GENERAL

This luminaire is designed for pendant or ceiling mounting applications and should be installed and maintained according to the following recommendations.

UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

The carton should contain a luminaire complete with mounting assembly and the lamp installed in the socket (medium base version only).

INSTALLATION

CAUTION

Unit will fall if not installed properly
- Follow installation instructions

If unit is multi-volt, see Wiring Section below.

Luminaire Mountings

A. Ceiling Mounting

1. Attach mounting plate to electrical junction box and pull incoming power leads through oval hole in mounting plate.
2. Suspend luminaire below j-box and attach wireform by squeezing legs together slightly and inserting through rectangular j-box mounting plate holes.
3. With luminaire hanging below j-box make electrical connections and place wires into j-box. (Figure 1)
4. Swing luminaire into place, mate two mounting plates and slide together until plates lock into place. (Figure 2)
5. To remove fixture from j-box, luminaire must be opened, by loosening three refractor ring screws, then loosening reflector screws, rotating and removing reflector. The locking screw must be backed out approximately one-half inch. (Figure 3)

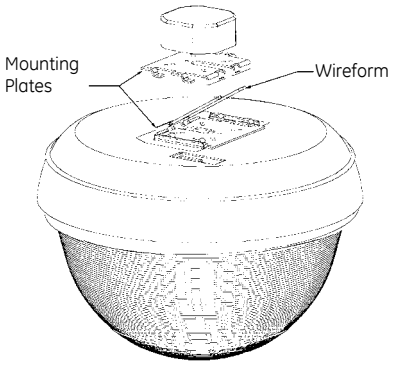
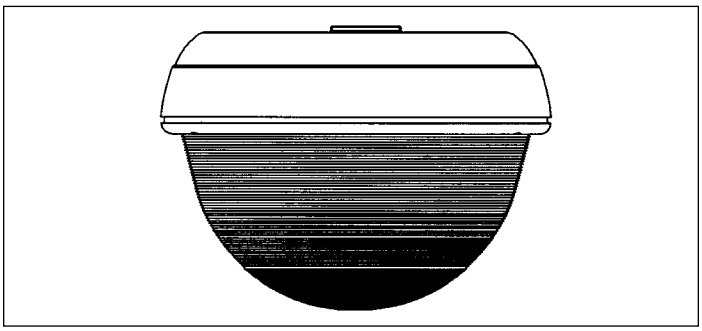


Figure 1



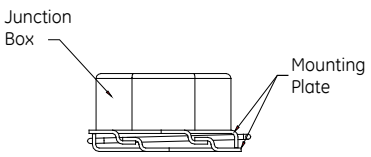


Figure 2

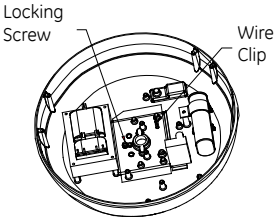


Figure 3

B. Rigid Pendant Mounting

1. Loosen three refractor ring screws and remove refractor and refractor ring from luminaire housing.
2. Loosen reflector screws, rotate and remove reflector. Remove nomex wire shield. Note: Nomex shield may be discarded if 105°C, or above, wiring is used.
3. Thread pendant/conduit into top housing (Figure 4) or mounting hub (Figure 6), and tighten lock nut.
4. Feed wires through pendant and extend approximately 6 inches of wire into housing and make necessary connections. (See Wiring section) Connect supply ground lead to the luminaire green lead.

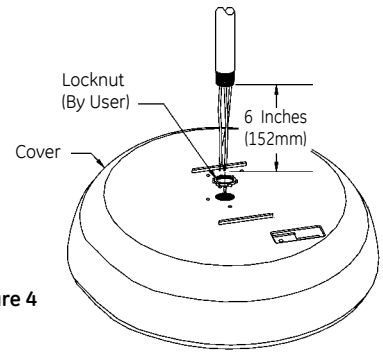


Figure 4

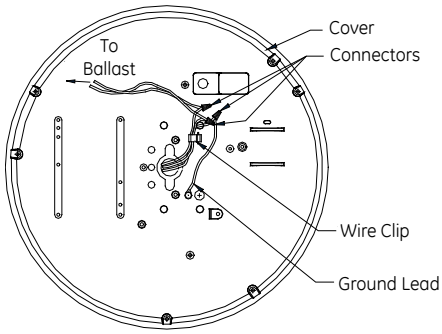


Figure 5

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Lighting Solutions.

5. Route incoming supply conductors through wire clip (D, Figure 5) provided. Re-attach nomex shield.
6. Reassemble luminaire.

C. Flexible Pendant Mounting

1. Follow procedure for rigid pendant mounting B1-B6.
2. If adjustment is needed to balance luminaire and have conduit hang vertical, loosen the four screws in the slotted holes, slide the mounting hub until luminaire hangs straight, re-tighten screws. Use widest bolt spacing possible to secure hub to cover.

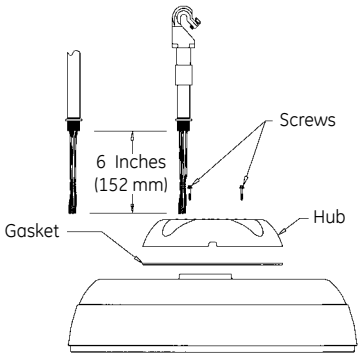


Figure 6

D. Luminaires with primary disconnects (outlet box hanging hardware Figure 7, rigid pendant hardware Figure 8 and flexible pendant hanging hardware Figure 9)

1. Remove cover plate(s) and attach hanging hardware to pendant/conduit and tighten set screw.

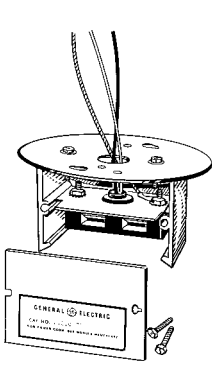


Figure 7

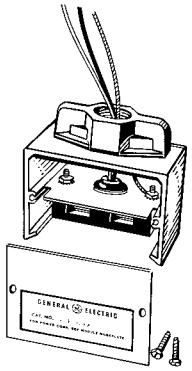


Figure 8

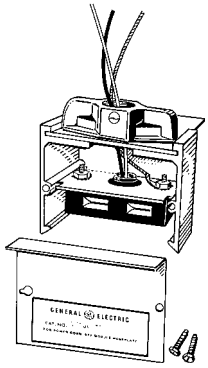


Figure 9

2. Feed supply wire through conduit and into disconnect housing. Make necessary wire connections.
3. Slide the extrusion attached to the luminaire completely into the hanger extrusion. Replace cover plate. (Cover plate is necessary to lock luminaire into place on the hardware, cover electrical connections and, if so equipped, seal unit from water.

WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

Verify that supply voltage is correct by comparing it to nameplate.

IF SINGLE VOLTAGE – All single voltage/wattage ballasts are pre-wired such that user need only connect supply conductors.

IF MULTIVOLT – (120/208/240/277 volts) Connect the ballast lead with insulated terminal to desired voltage terminal as indicated on ballast terminal nameplate.

When changing voltage on re-connectable units, move only the lead with the insulated connector.

To access the ballast:

a) Loosen three refractor ring screws and remove refractor and refractor ring from luminaire housing.
b) Loosen reflector screws, rotate and remove reflector.
c) Consult wiring diagram inside luminaire for location of the tap for desired voltage.

LAMPS

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Lamp Tightness- Mogul Base Lamp: Lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

Lamp Tightness- Medium Base Lamp: Lamp should be tightened to a light firmness sufficient to depress the center contact of the socket.

Switched Quartz- Units equipped for switched quartz operation will have the socket installed in the reflector. Install quartz lamp.

ORIENTATION FOR OPTIONAL INTERNAL REFLECTORS

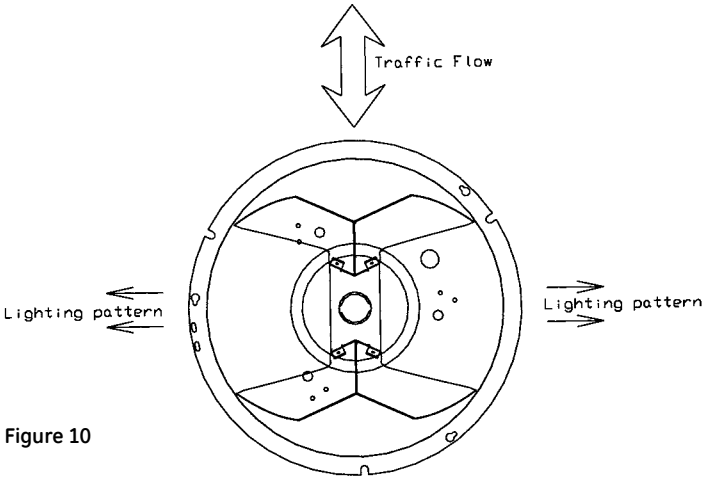


Figure 10

If so equipped, the internal reflectors can be oriented to direct light in the intended direction by rotating them. When used for parking garage applications the reflectors are aligned with direction of traffic (see Figure 10). If re-alignment is necessary, grasp lower edge of the reflector on either side and rotate to the desired position.

MAINTENANCE

CAUTION

Risk of burn
- Allow lamp/fixture to cool before handling

Cleaning

Occasionally it will be necessary for the refractor to be cleaned to maintain appearance and light levels. The frequency of cleaning will be dependent on the ambient dirt level and minimum light level required. Refractor and housing should be washed with a solution of warm water and mild household detergent, rinsed with clean water and wiped dry. Should the interior optical assembly become dirty, clean the reflector and interior of refractor as described above. Replace gasket if damaged.

Lamp Replacement

Light output of a luminaire is also dependent on the age of the lamp. In applications where light level is critical it may be desirable to replace lamps before the burn out. Consult lamp manufacturer's data for lamp replacement frequency and other safety issues.

Replace blackened lamps immediately.

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35-201578-Z6 (10/03)